

Abstract

Light Source Element with Lateral, Oblique Light Coupling

The invention discloses a light source element (10) that can be employed for the back-lighting of liquid crystal displays and that comprises an obliquely placed light exit face (51A) and/or light entry face (5B). At its surfaces, the light waveguide (1, 21, 31) is surrounded by reflectors (4, 24, 34) into which suitable aperture regions (5B, 25B, 35B) are potentially formed. The invention enables the arrangement of a plurality of light sources (5, 25, 35, 45) and/or a more direct view and, thus, a corresponding increase of the luminance. The invention also discloses a method for the manufacture of a light source element with integrated reflector.

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10 Figure 1